



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Archaeological Institute of America

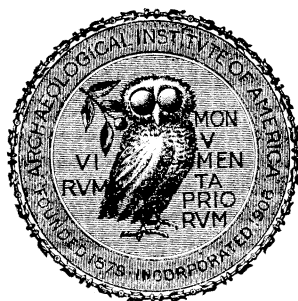
AMERICAN
JOURNAL OF ARCHAEOLOGY

Second Series

THE JOURNAL OF THE ARCHAEOLOGICAL
INSTITUTE OF AMERICA

VOLUME XIV

1910



NORWOOD, MASS.

PUBLISHED FOR THE INSTITUTE BY

The Norwood Press

NEW YORK: THE MACMILLAN COMPANY

LONDON: MACMILLAN & CO., LTD.

American Journal of Archaeology

SECOND SERIES

THE JOURNAL OF THE ARCHAEOLOGICAL INSTITUTE OF AMERICA

Vol. XIV, 1910

Editorial Board

Editor-in-Chief

HAROLD NORTH FOWLER,
Professor in Western Reserve University

Associate Editors

GEORGE H. CHASE (*for the American School at Athens*),
Professor in Cornell University.

JOHN C. ROLFE (*for the American School in Rome*),
Professor in Columbia University.

JOHN P. PETERS (*for the American School in Palestine*),
Rector of St. Michael's Church, New York.

ALLAN MARQUAND (*for Mediaeval and Renaissance Archaeology*),
Professor in Princeton University.

CHARLES PEABODY (*for American Archaeology*),
Cambridge, Mass.

WILLIAM N. BATES,
Professor in the University of Pennsylvania.

Honorary Editors

FRANCIS W. KELSEY (*President of the Institute*),
Professor in the University of Michigan.

JAMES R. WHEELER (*Chairman of the Managing Committee of the School at Athens*),
Professor in Columbia University.

ANDREW F. WEST (*Chairman of the Managing Committee of the School in Rome*),
Professor in Princeton University.

CHARLES C. TORREY (*Chairman of the Managing Committee of the School in Palestine*),
Professor in Yale University.

Editorial Contributors

Professor CARROLL N. BROWN,
Classical Archaeology.

Miss MARY H. BUCKINGHAM,
Classical Archaeology.

Mr. LACEY D. CASKEY,
Classical Archaeology.

Miss EDITH H. HALL,
Classical Archaeology.

Mr. HAROLD R. HASTINGS,
Classical Archaeology.

Professor ELMER T. MERRILL,
Numismatics.

Professor FRANK G. MOORE,
Roman Archaeology.

Professor CHARLES R. MOREY,
Christian and Mediaeval Archaeology.

Dr. JAMES M. PATON,
Classical Archaeology.

Professor LEWIS B. PATON,
Oriental Archaeology.

Professor ARTHUR S. PEASE,
Classical Archaeology.

Professor SAMUEL BALL PLATNER,
Roman Archaeology.

Dr. N. P. VLACHOS, *Classical Archaeology.*

CONTENTS

	PAGE
ARCHAEOLOGICAL INSTITUTE OF AMERICA :	
A Group of Related Structures at Uxmal, Mexico (Plates I-II).	
— SYLVANUS GRISWOLD MORLEY	1
The Correlation of Maya and Christian Chronology.	
— SYLVANUS GRISWOLD MORLEY	193
Note on the "Mourning Athena" Relief. — G. M. HIRST . . .	324
Two Frescoes from Boscoreale. — OLIVER S. TONKS . . .	327
Notes on Justus van Ghent (Plates VII-VIII).	
— MORTON H. BERNATH	331
Explorations in Southeastern Utah in 1908. — A. V. KIDDER . . .	337
First Preliminary Report on the American Excavations at Sardes in	
Asia Minor. — HOWARD CROSBY BUTLER	401
Greek and Latin Inscriptions from Sardes. — DAVID M. ROBINSON	414
Experiments with Mycenaean Glaze. — OLIVER S. TONKS . . .	417
A Panathenaic Amphora with the Archon's Name Asteius.	
— DAVID M. ROBINSON	422
Note on the Inscription <i>A.J.A.</i> XIV, 1910, p. 66.	
— CLERMONT-GANNEAU	426
Architecture on Attic Vases. — F. B. TARBELL	428
Recently Published Measurements of Pisa Cathedral.	
— WILLIAM H. GOODYEAR	434
Further Notes on Justus van Ghent. — MORTON H. BERNATH . .	450
AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS :	
The Fountain of Glauce at Corinth (Plate III).	
— GEORGE W. ELDERKIN	19
The Gables of the Propylaea at Athens (Plates IV-V).	
— WILLIAM BELL DINSMOOR	143
Notes on Greek Vase Paintings. — GEORGE W. ELDERKIN . . .	185
Structural Notes on the Erechtheum. — B. H. HILL	291
The Roofed Gallery on the Walls of Athens (Plate VI).	
— L. D. CASKEY	298
The Choragic Monument of Nicias. — WILLIAM BELL DINSMOOR .	459
AMERICAN SCHOOL OF CLASSICAL STUDIES IN ROME :	
Unpublished Inscriptions from Latium.	
— RALPH VAN DEMAN MAGOFFIN	51

	PAGE
The So-called Balustrades of Trajan. — JESSE BENEDICT CARTER .	310
Inscriptions from Privernum. — HENRY H. ARMSTRONG .	318
AMERICAN SCHOOL FOR ORIENTAL STUDY AND RESEARCH IN PALESTINE :	
Greek Inscriptions from the Negeb.	
— NATHANIEL SCHMIDT and B. B. CHARLES	60
ARCHAEOLOGICAL NEWS AND DISCUSSIONS (July, 1909–June, 1910). —	
WILLIAM N. BATES, <i>Editor</i> :	
NOTES ON RECENT EXCAVATIONS AND DISCOVERIES ; OTHER NEWS	95, 361
<i>Oriental and Classical Archaeology</i> : — General and Miscellaneous,	
95, 361 ; Egypt, 98, 363 ; Babylonia and Assyria, 100, 365 ;	
Syria and Palestine, 101, 366 ; Asia Minor, 101, 368 ; Greece,	
103, 371 ; Italy, 113, 374 ; Spain, 380 ; France, 120, 381 ; Bel-	
gium, 121 ; Switzerland, 121, 384 ; Germany, 122, 385 ; Austria-	
Hungary, 124, 386 ; Russia, 125 ; Great Britain, 126, 386 ; Africa,	
127, 387 ; United States, 128, 389.	
<i>Early Christian, Byzantine, Mediaeval, and Renaissance Art</i> : — Gen-	
eral and Miscellaneous, 129, 391 ; Italy, 129, 392 ; Spain and	
Portugal, 133, 395 ; France, 133, 395 ; Belgium, 134, 396 ; Ger-	
many, 134, 396 ; Russia, 135 ; Great Britain, 135, 397 ; Africa,	
136, 398 ; United States, 137, 399.	
<i>American Archaeology</i> : — General and Miscellaneous, 138, 399.	
SUMMARIES OF ORIGINAL ARTICLES CHIEFLY IN CURRENT PERI-	
ODICALS	205, 485
<i>Oriental and Classical Archaeology</i> : — General and Miscellaneous,	
205, 485 ; Egypt, 207, 487 ; Babylonia, Assyria, and Persia, 209,	
489 ; Syria and Palestine, 212, 493 ; Asia Minor, 216, 496 ; Greece,	
218, 497 (Architecture, 497 ; Sculpture, 218, 498 ; Vases and	
Painting, 225, 506 ; Inscriptions, 226, 510 ; Coins, 229, 512 ; Gen-	
eral and Miscellaneous, 230, 513) ; Italy, 236, 516 (Architecture,	
236, 516 ; Sculpture, 237, 517 ; Vases, 238 ; Painting, 517 ; In-	
scriptions, 239, 518 ; Coins, 240, 519 ; General and Miscellane-	
ous, 241, 521) ; Spain, 523 ; France, 244, 524 ; Belgium, 246, 524 ;	
Switzerland, 525 ; Germany, 246, 525 ; Austria-Hungary, 247,	
526 ; Great Britain, 247, 526 ; Africa, 248, 526 ; United States,	
249.	
<i>Early Christian, Byzantine, and Mediaeval Art</i> : — General and	
Miscellaneous, 249, 527 ; Italy, 252, 528 ; France, 253, 529 ; Ger-	
many, 253, 530 ; Great Britain, 254, 530.	
<i>Renaissance Art</i> : — General and Miscellaneous, 254, 531 ; Italy,	
255, 531 ; Spain, 260, 535 ; France, 260, 535 ; Holland, 536 ; Ger-	
many, 260, 537 ; Austria, 539 ; Great Britain, 261, 539.	
<i>American Archaeology</i> : — General and Miscellaneous, 262, 539.	

BIBLIOGRAPHY OF ARCHAEOLOGICAL BOOKS (1909).

— WILLIAM N. BATES, <i>Editor</i>	266
General and Miscellaneous	266
Egyptian Archaeology	267
Oriental Archaeology	268
Classical Archaeology	269
Greek and Roman	269
Greek, 270 (I, General and Miscellaneous, 270; II, Architecture, 273; III, Sculpture, 273; IV, Vases, 273; V, Inscriptions, 273; VI, Coins, 274).	
Roman, 274 (I, General and Miscellaneous, 274; II, Architecture, 276; III, Sculpture, 276; IV, Vases, 276; V, Inscriptions, 276; VI, Coins, 276).	
Christian Art	277
(I, General and Miscellaneous, 277; II, Early Christian, Byzantine, and Mediaeval, 282; III, Renaissance, 284.)	
Abbreviations used in the News, Discussions, and Bibliography	140

PROCEEDINGS OF THE ELEVENTH GENERAL MEETING OF THE
ARCHAEOLOGICAL INSTITUTE OF AMERICA, BALTIMORE, De-
cember 28, 29, 30, and 31, 1909

Preliminary Statement	71
Abstracts of Papers read :—	

Two Labors of Heracles on a Geometric Fibula.	
— WILLIAM N. BATES	71
The Standard of Artaxerxes at Cunaxa — CAMPBELL BONNER .	71
The Bronze Gates of Canosa. — THOMAS JEX PRESTON, JR. .	72
Structural Notes on the Erechtheum.	
— L. D. CASKEY and B. H. HILL	72
A New Marble in the Boston Museum of Fine Arts.	
— ARTHUR FAIRBANKS	72
Byzantine Architecture in France. — FRANCIS G. FITZPATRICK .	72
Babylonian Bookkeeping. — ALBERT T. CLAY	73
Hercules and Samson. — MARTIN L. ROUSE	74
The Roman Fortresses in the Provinces of Syria and Arabia.	
— HOWARD CROSBY BUTLER	75
The Harvard Excavations at Samaria. — DAVID G. LYON . . .	76
Reconstruction of the Later Toga. — C. F. ROSS	77
An Unpublished Epigraphical Manuscript from Spain.	
— HARRY L. WILSON	78
Architecture on Attic Vases. — F. B. TARBELL	78
The Alban Villa of Domitian. — R. V. D. MAGOFFIN	79
A Byzantine Treasure from Egypt in the Possession of Charles L. Freer. — WALTER DENNISON	79
Discovery of the Lost Stūpa of Kanishka and Relics of Gautama Buddha. — D. BRAINERD SPOONER	81

	PAGE
Experiments with the Mycenaean Glaze. — OLIVER S. TONKS . . .	83
Structural Notes on the Propylaea. — W. B. DINSMOOR . . .	83
The Representation of Babylonian Gods in Art. — WILLIAM HAYES WARD . . .	83
The Excavations of the School of American Archaeology in 1909. — EDGAR L. HEWETT . . .	85
Identification of the Persons represented upon the Attic Grave Reliefs. — HAROLD R. HASTINGS	87
Recently Published Measurements relative to the Leaning Tower of Pisa and Pisa Cathedral. — WILLIAM H. GOODYEAR . . .	87
Notes on a Scyphus in Boston. — JAMES R. WHEELER . . .	87
Some Phoenician Sarcophagi. — LEWIS B. PATON . . .	88
The Side Entrances to the Stage of the Roman Theatre. — CHARLES KNAPP . . .	88
A Note on the Esoteric Doctrines of the Eleusinian Mysteries. — THOMAS SPENCER JEROME . . .	89
Unpublished Inscriptions from Corinth. — KENDALL K. SMITH . .	90
Some Problems in Mediaeval Vaulting. — CLARENCE WARD . .	90
A Ceramic Note on Bacchylides XVI, 97. Maeander or Laby- rinth; a Comparative Study of the Red-figured Cylices. — GEORGE W. ELDERKIN . . .	91
The Coinage of Bostra. — CHARLES R. MOREY	92
Papers read by Title	93
Notice of the Next General Meeting	93

PLATES

- I. *a.* Map of the Southwest Group, Uxmal. *b.* Cross-section of the Southwest Group, Uxmal.
- II. The House of the Pigeons (Structure *M*), Uxmal.
- III. The Fountain of Glauce — Ground Plan.
- IV. Propylaea: Reconstruction of the Superstructure of the East Hexastyle.
- V. Propylaea: Reconstruction of the Gable above the Gate Wall.
- VI. Reconstruction of the Gallery on the Walls of Athens. Isometric.
- VII. Epiphany at Trevi by Justus van Ghent.
- VIII. Tapestry in Boston, designed by Justus van Ghent.

ILLUSTRATIONS IN TEXT

	PAGE
Façade of Range <i>T</i> (Uxmal)	12
The Blocked Arcade of Range <i>V</i>	15
The Fountain of Glauce — Front View	20
Glauce — Plan at Stylobate Level of Inner Colonnade	21
The Fountain of Glauce — East Face	23
Glauce from the Southwest	24
Glauce — Cross-section of Reservoir IV and Roman Wall	25
Glauce — Excess Escape Channel	27
Glauce — Upper End of IV, showing how the Walls have been quar- ried away	31
Glauce — The Architrave	32
Glauce — View from West across Reservoirs	33
Glauce — Cross-section through Portico	34
Glauce — Section through Draw Basins	35
Glauce — Details of Inner Colonnade	36
Glauce — View of Roof from the South	42
Enneacrurus	46
Fountain of Theagenes	48
Inscription from Beersheba	66
The Port of Delos	105
The Fountain Minoe	106
Sacrifice to Hecate: Bronze	107
Bronzes from Alise	120
Statue of an Old Market Woman	129
Signature of the Hausbuchmeister	129
Kneeling Virgin: Terra-cotta	131
Restoration of East Pediment, North Half (Propylaea)	148
Key of Central Slab of Tympanum, from Behind (Propylaea)	149
Angle Triglyph at North End of Gate Wall (Propylaea)	156
Sections of the Gable above the Gate Wall (Propylaea)	158
Top of Interior Cornice Block <i>P</i> (Propylaea)	160
Ends of North Entablature of East Portico (Propylaea)	162
North End of Tympanum Wall (Propylaea)	168
The Two Jointing Systems of the Tympanum Wall (Propylaea)	169
Top of Interior Cornice Block <i>N</i> (Propylaea)	171
Gable Angle backing the West Hexastyle (Propylaea)	173
Three Sima Fragments on the Acropolis (Propylaea)	177

	PAGE
The Raking Cornice of the Southwest Wing (Propylaea)	178
Profile of the Raking Cornice (Propylaea)	179
Eaves Tile next to Angle Stone <i>G</i> (Propylaea)	182
Angle Geison <i>G</i> and Adjacent Stones (Propylaea)	183
Inner Part of Cylix in the British Museum	185
Fragment from Praesus	191
Athena (by Myron?) at Frankfort	220
Vase from Kakovatos	232
Vase from Kakovatos	233
Terra-cotta Vessel from Chieti	246
Marble Head in Cambridge	248
Annunciation in the Pantheon	257
Minerva by Cellini	261
Soffit of Epistyle at the West End (Erechtheum)	291
Ceiling of Western Chamber, Restored (Erechtheum)	295
Reconstruction of Southwest Corner, showing <i>Metopon</i> , Niche, and "Bent Beam" (Erechtheum)	297
Müller's Restoration of Gallery (on the Walls of Athens)	298
Choisy's Restoration of the Gallery	299
Plan of Gallery	302
Section showing Roof Construction (of Gallery)	304
Alternative Method of Construction (of Roof of Gallery)	306
Balustrade A: Cancellation of Arrears	311
Balustrade B: Institutio Alimentaria	312
Inscription from Privernum	318
Pompeian Painting at Princeton	327
Pompeian Painting at Princeton	329
Sketch Map of Western Tributaries of Montezuma Creek	338
Plan of Ruin on Alkali Ridge	346
Southeast End of North Wing (Alkali Ridge)	347
Plan of Excavated Portion of Ruin (Alkali Ridge)	349
Normal Kiva	351
Intramural Kiva	354
Intramural Kiva	355
Interior of Kiva	356
Interior of Kiva	357
Grave and Contents	358
Hittite Relief at Boghazkeui	369
Tablet from Locri	375
Tablet from Locri	375
Tablet from Locri	376
Tablet from Locri	376
Statuette of Primitive Cretan Style	384
Marble Bust from Mahdia	388
Relief in Boston, Front	389
Relief in Boston, Right Wing	390

	PAGE
Relief in Boston, Left Wing	390
Farmyard Group, Roman	391
Group in Painted Wood at Cascia	393
View of Sardes from the West, showing Acropolis, Columns of Temple, Excavations, and Camp	402
The Excavations from the South. Marble Foundation Piers	407
View from the West. Steps and Inner Row of Bases	409
Part of the Wall of the Acropolis (Sardes)	412
Façade of the Pieve Nuova, at Santa Maria del Giudice, near Lucca (Twelfth Century Romanesque)	435
The Pieve Nuova, at Santa Maria del Giudice, near Lucca. View of North Wall, looking up the Hill	436
The Pieve Nuova, at Santa Maria del Giudice, near Lucca. Detail of the North Wall	437
The Pieve Nuova, at Santa Maria del Giudice, near Lucca. Survey in Elevation of the South Wall	438
The Pieve Nuova, at Santa Maria del Giudice, near Lucca. Survey in Elevation of the North Wall	438
Pisa, Cathedral. View of the Façade, the North Wall, and the West Side of the North Transept	440
Pisa, Cathedral. South Transept, West Side	441
Pisa, Cathedral. General View of the South Side	442
Pisa, Cathedral. The Choir in Parallel Perspective	443
Pietà, by Justus van Ghent. Altenburg; Lindenau Museum	451
Madonna, by Justus van Ghent. Berlin; Schloss	454
Madonna, by Justus van Ghent. Florence; Palazzo Corsini	455
Mater Dolorosa, by Justus van Ghent. Rome; Palazzo Corsini . . .	457
Crucifixion, by Justus van Ghent. Philadelphia; Johnson Collection	458
The Choragic Monument of Nicias. Plan and Section of Epistyle . .	460
Anta Capital	461
Geisa of the Monument of Nicias	463
Plan of Existing Geisa of Pediment Floors	464
Block Moulding of Rear Geison. Full Size	465
Slabs from the Tympanum	468
Capital of Angle Column	470
Foundations of the Monument of Nicias	475
Plan of Foundations, Present State	477
Monument of Nicias; West Façade, Restored	479
Monument of Nicias and Stoa of Eumenes, Restored	481
Votive Relief from Phalerum	501
Marble Head from Chios	502
Marble Statue from Antium	504
Vase with Latin Inscription	508
Picture by Francesco Melzi	533